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INDEX TO AMERICAN BOTANICAL LITERATURE

1912-1915

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Abrams, L., & Smiley, F. J. Taxonomy and distribution of *Eriodictyon*. Bot. Gaz. 60: 115-133. f. 1-3. 14 Au 1915.

Includes *Eriodictyon lanatum* sp. nov.

Adams, J. Medicinal plants and their cultivation in Canada. Canada Agr. Exp. Farms Bull. II. 23: 1-60. f. 1-36. 1915.

Ames, O. A list of the most important plants from which arrow poisons are prepared. 1-8. Boston. Mr 1915.

Ames, O. Orchidaceae: illustrations and studies of the family Orchidaceae issued from the Ames Botanical Laboratory, North Easton, Massachusetts. Fascicle V. i-xiv + 1-270. Boston. 2 S 1915.

Includes 41 new species and several new names and combinations.

Appleman, C. O. Biochemical and physiological study of the rest period in the tubers of *Solanum tuberosum*. Ann. Rep. Maryland Agr. Exp. Sta. 27: 181-226. f. 1-17. My 1914.

Armstrong, M., & Thornber, J. J. Field book of western wild flowers. iii-xx + 1-596. San Francisco. 1915. [Illust.]

Arthur, J. C. Uredinales of Porto Rico based on collections by F. L. Stevens. Mycologia 7: 227-255. S 1915.

Puccinia conrescens, *P. insilitia*, *P. scleriicola*, and *Aecidium favaceum*, spp. nov., are described.

Atkinson, G. F. Morphology and development of *Agaricus Rodmani*. Proc. Am. Philos. Soc. 54: 309-343. pl. 7-13. + f. 1-8. S 1915.

- Atwood, W. M.** Plant physiology as related to pruning. Oregon Agr. Exp. Sta. Bull. 130: 1-11. *f.* 1-14. My 1915.
- Bailey, W. W.** Some August flowers. Am. Bot. 21: 43-45. My 1915.
- Balthis, F. K.** Saucer gardening. Am. Bot. 21: 51-54. My 1915. [Illust.]
- Belling, J.** The Georgia velvet bean. Jour. Heredity 6: 290. 25 Je 1915. [Illust.]
- Benedict, R. C.** Some modern varieties of the Boston fern at their source. Jour. N. Y. Bot. Gard. 16: 194-197. *pl.* 161, 162. 24 S 1915.
- Blakeslee, A. F.** Sexual reactions between hermaphroditic and dioecious Mucors. Biol. Bull. 29: 87-102. *pl.* 1-3. + *f.* 1, 2. Au 1915.
- Bovie, W. T.** The Schumann rays as an agent for the sterilization of liquids. Bot. Gaz. 60: 144-148. *f.* 1. 14 Au 1915.
- Bradford, F. C.** The pollination of the pomaceous fruits. II. Fruit-bud development of the apple. Oregon Agr. Exp. Sta. Bull. 129: 3-16. *pl.* 1-6. My 1915.
- Britton, N. L.** History of the New York Botanical Garden. 1-16. New York. 6 S 1915.
- Britton, N. L.** John Francis Cowell. Jour. N. Y. Bot. Gard. 16: 191-193. 24 S 1915.
- Brown, N. A.** A bacterial disease of lettuce. Jour. Agr. Research 4: 475-478. 16 Au 1915.
- Bryan, M. K.** A nasturtium wilt caused by *Bacterium solanacearum*. Jour. Agr. Research 4: 451-457. *pl.* 63-66. + *f.* 1-3. 16 Au 1915.
- Burlingame, L. L.** The origin and relationships of the Araucarians.—II. Bot. Gaz. 60: 89-114. 14 Au 1915.
- Burnham, S. H.** Poison oak and soap plant. Am. Bot. 21: 46-49. My 1915.
- Clausen, R. E.** Ettersburg strawberries. Jour. Heredity 6: 324-331. *f.* 16-18. 25 Je 1915.
- Clute, W. N.** An albino *Rudbeckia*. Am. Bot. 21: 55, 56. My 1915.
- Clute, W. N.** A variable phlox. Am. Bot. 21: 41, 42. My 1915. [Illust.]
- Compere, G.** Blight-resistant pear stocks. Monthly Bull. Calif. State Comm. Hort. 4: 313-315. *f.* 67, 68. Jl 1915.
- Davis, B. M.** The test of a pure species of *Oenothera*. Proc. Am. Philos. Soc. 54: 226-245. Au 1915.
- Drennan, G. T.** The beckoning hand. Am. Bot. 21: 48, 49. My 1915.
Jatropha multifida.

- Eastham, J. W.** Powdery scab of potatoes (*Spongospora subterranea* [Wallr.] Johns.). Dom. Canada Agr. Exp. Farms Circ. 5: 7-13. f. 1-5. F 1914.
- Edgerton, C. W.** *Citrus* canker. Louisiana Agr. Exp. Sta. Bull. 150: 1-10. pl. 1, 2. O 1914.
- Edgerton, C. W.** The rots of the cotton boll. Louisiana Agr. Exp. Sta. Bull. 137: 1-113. pl. 1-13. D 1912.
- Edgerton, C. W., & Moreland, C. C.** The bean blight and preservation and treatment of bean seed. Louisiana Agr. Exp. Sta. Bull. 139: 1-43. pl. 1-6. Ja 1913.
- Edgerton, C. W., & Moreland, C. C.** Diseases of the tomato in Louisiana. Louisiana Agr. Exp. Sta. Bull. 142: 1-18. f. 1, 2. Ap 1914.
- Ekman, E. L.** Die Gräser des brasilianischen Staates Paraná. Arkiv. Bot. 13¹⁰: 1-83. pl. 1-4. 29 O 1913.
- Ekman, E. L.** West Indian *Vernoniae*. Arkiv. Bot. 13¹⁵: 1-106. pl. 1-6. 13 F 1914.
Six new species are described.
- Ellwanger, H. B., & Ellwanger, G. H.** The rose. 1-310. New York. 1914.
- Farwell, O. A.** The hemlock spruce. Rhodora 17: 164-168. S 1915.
- Fernald, M. L.** An albino *Viola rostrata*. Rhodora 17: 180. S 1915.
- Fernald, M. L.** The American ostrich fern. Rhodora 17: 161-164. S 1915.
- Fraser, W. P.** The cereal rusts. Ann. Rep. Quebec Soc. for Protection of Plants from Insects and Fungous Diseases 7: 116-120. 1915.
- Gardner, V. R.** Sweet cherry breeding. Jour. Heredity 6: 312, 313. 25 Je 1915.
- Gates, F. C.** Tissue tension in *Amorphophallus*. Bot. Gaz. 60: 235, 236. f. 1. 16 S 1915.
- Gates, R. R.** On the modification of characters by crossing. Am. Nat. 49: 562-569. S 1915.
- Giddings, N. J.** Diseases of garden crops and their control. West Va. Agr. Exp. Sta. Rep. 1909-1910: 120-132. pl. 1-5. 1911.
- Giddings, N. J.** Plant diseases of 1909-10. West Virginia Exp. Sta. Rep. 1909-1910: 49-52. 1911.
- Goodspeed, T. H.** Parthenocarpy and parthenogenesis in *Nicotiana*. Proc. Nat. Acad. Sci. 1: 341-346. Je 1915.
- Goodspeed, T. H., & Clausen, R. E.** Factors influencing flower size in *Nicotiana* with special reference to questions of inheritance. Am. Jour. Bot. 2: 332-373. f. 1-4. Jl 1915.
- Goodspeed, T. H., & Clausen, R. E.** Variation of flower size in *Nicotiana*. Proc. Nat. Acad. Sci. 1: 333-338. Je 1915.

- Güssow, H. T.** Potato canker (*Chrysophlyctis endobiotica* Schilb.) imported into Canada. Dom. Canada Dept. Agr. Exp. Farms Circ. 1: 3, 4. My 1912.
- Harvey, E. M.** Some effects of ethylene on the metabolism of plants. Bot. Gaz. 60: 193-214. f. 1, 2. 16 S 1915.
- Hauman-Merck, L.** Les parasites végétaux des plantes cultivées en Argentine et dans les régions limitrophes. An. Mus. Nac. Buenos Aires 26: 163-225. f. 1-6. 1915.
- Hedrick, U. P., and others.** The cherries of New York. N. Y. Dept. Agr. Ann. Rep. 22: i-xii + 1-371. 1915. [Illust.]
- Hesler, L. R.** Apple cankers and their control. Cornell Agr. Exp. Sta. Circ. 28: 17-28. f. 1-16. My 1915.
- Holden, R.** On the cuticles of some Indian conifers. Bot. Gaz. 60: 215-227. pl. 11. 16 S 1915.
- Hull, E. D.** Polyembryony in *Opuntia Rafinesquii*. Am. Bot. 21: 56, 57. f. 1-4. My 1915.
- Humphrey, C. J., & Fleming, R. M.** The toxicity to fungi of various oils and salts, particularly those used in wood preservation. U. S. Dept. Agr. Bull. 227: 1-38. pl. 1-4. 23 Au 1915.
- Hutchinson, A. H.** Gametophyte of *Pellia epiphylla*. Bot. Gaz. 60: 134-143. pl. 1-4 + f. 1. 14 Au 1915.
- Johnston, J. R.** La enfermedad del platano en Cuba. Cuba Estac. Exp. Agron. Circ. 47: 1-13. pl. 1-7. 1915.
- Kelly, J. P.** Cultivated varieties of *Phlox Drummondii*. Jour. N. Y. Bot. Gard. 16: 179-191. 24 S 1915.
- Knowlton, C. H., & Deane, W.** Reports on the flora of the Boston district—XX. Rhodora 17: 169-180. S 1915.
- Krause, E. H. L.** Beiträge zur Flora von Amerika. Beih. Bot. Centralb. 32: 329-348. 20 N 1914.
- Lloyd, C. G.** Synopsis of the section *Apus* of the genus *Polyporus*. 291-392. f. 631-706. Cincinnati. Je 1915.
- Lunell, J.** Enumerantur plantae Dakotae septentrionalis vasculares—I. Am. Mid. Nat. 4: 152-165. 20 Jl 1915;—II. Am. Mid. Nat. 4: 211-228. S 1915.
- MacDougal, D. T., Long, E. R., & Brown, J. G.** End results of desiccation and respiration in succulent plants. Physiol. Researches 1: 289-325. pl. 1-3 + f. 1-5. Au 1915.
- Malme, G. O.** Die amerikanischen Spezies der Gattung *Xyris* L., Untergattung *Euxyris* (Endlicher). Arkiv. Bot. 13⁸: 1-32. f. 1-3. 16 S 1913.
- Merrill, E. D.** Genera and species erroneously credited to the Philippine flora. Philip. Jour. Sci. 10: (Bot.) 171-194. My 1915.

- Merrill, E. D.** New species of *Eugenia*. Philip. Jour. Sci. **10**: (Bot.) 207-225. My 1915.
Includes twenty-two new species.
- Merrill, E. D.** New species of *Schefflera*. Philip. Jour. Sci. **10**: (Bot.) 195-205. My 1915.
Twelve new species are described.
- Merrill, E. D.** New or noteworthy Philippine plants—IX. Philip. Jour. Sci. **9**: (Bot.) 261-292. Je 1914.
- Merrill, E. D.** The present status of botanical exploration of the Philippines. Philip. Jour. Sci. **10**: (Bot.) 159-169. *pl.* 1. My 1915.
- Merrill, E. D.** A simple method of making carbon leaf impressions. *Torreya* **15**: 175-181. *f.* 1-3. 30 Au 1915.
- Mickleborough, J.** The chestnut tree blight. Pennsylvania Dept. Forest. Bull. **4**: 4-16. My 1909. [Illust.]
- Murrill, W. A.** The genus *Clitocybe* in North America. *Mycologia* **7**: 256-283. *pl.* 164-166. S 1915.
Includes description of three new species.
- Murrill, W. A.** Illustrations of fungi—XXII. *Mycologia* **7**: 221-226. *pl.* 163. S 1915.
Cortinarius roseipallidus sp. nov., *C. erythrinus*, *C. anomalus*, *Melanoleuca Russula*, *Gymnopilus farinaceus* sp. nov., *Russula crustosa*, *R. bifida*, *Lactaria Hibbardae*, *Clavaria fusiformis*, and *Pholiota Johnsoniana* are illustrated.
- Murrill, W. A.** A new mephitic *Claudopus*. *Mycologia* **7**: 290. S 1915.
- Murrill, W. A.** Notes on *Agaricus reticeps* Mont. *Mycologia* **7**: 290-292. S 1915.
- Nieuwland, J. A.** Notes on our local plants—XII. Am. Mid. Nat. **4**: 174-176. 20 Jl 1915.
- Norton, J. B.** Inheritance of habit in the common bean. Am. Nat. **49**: 547-561. S 1915.
- Norton, J. B. S.** Tomato diseases. Ann. Rep. Maryland Agr. Exp. Sta. **27**: 102-114. 1914.
- O'Gara, P. J.** A new disease of germinating wheat. Science II. **42**: 313, 314. 3 S 1915.
- O'Gara, P. J.** Occurrence of the bacterial disease of Sudan grass in the Salt Lake Valley, Utah. Science II. **42**: 314, 315. 3 S 1915.
- O'Gara, P. J.** Occurrence of *Thielavia basicola* as a root parasite of watermelons in the Salt Lake Valley, Utah. Science II. **42**: 314. 3 S 1915.
- Osterhout, W. J. V.** The determination of additive effects. Bot. Gaz. **60**: 228-234. *f.* 1-4. 16 S 1915.
- Pickett, F. L.** A contribution to our knowledge of *Arisaema triphyllum*. Mem. Torrey Bot. Club **16**: 1-55. *pl.* 1-5 + *f.* 1-72. 30 Au 1915.

- Pilger, R.** *Plantae Uleanae novae vel minus cognitae*. Notizbl. Königl. Bot. Gart. Berlin **6**: 261-310. 30 Je 1915.
Contains contributions by Dammer (Palmae); Ule (Thuriniaceae, Lorantheae, Rafflesiaceae, Nymphaeaceae); Loesener (Musaceae, Marantaceae); Diels (Proteaceae); Focke (*Rubus*); Harms (Leguminosae).
- Plowman, A. B.** Is the box elder a maple? A study of the comparative anatomy of *Negundo*. Bot. Gaz. **60**: 169-192. *pl.* 5-10. 16 S 1915.
- Ramaley, F.** The relative importance of different species in a mountain grassland. Bot. Gaz. **60**: 154-157. 14 Au 1915.
- Roddy, H. J.** Concretions in streams formed by the agency of blue green algae and related plants. Proc. Am. Philos. Soc. **54**: 246-258. *f.* 1, 2. Au 1915.
- Rose, J. N.** Exploration in western South America. Jour. N. Y. Bot. Gard. **16**: 172-174. Au 1915.
- Roth, G.** Nachtrag I zu Band I der aussereuropäischen Laubmoose von 1910-11. Hedwigia **53**: 81-98. 15 Mr 1913; Nachtrag II zu Band I der aussereuropäischen Laubmoose von 1910-11. Hedwigia **54**: 267-274. 20 Mr 1914.
- Rusby, H. H.** Report upon the cultivation of drug and dye plants. Jour. N. Y. Bot. Gard. **16**: 155-172. Au 1915.
- Rydberg, P. A.** Notes on Rosaceae—IX. Bull. Torrey Club **42**: 117-160. 16 Mr 1915;—X. Bull. Torrey Club **42**: 463-479. 22 S 1915.
- Safford, W. E.** An Aztec narcotic (*Lophophora Williamsii*). Jour. Heredity **6**: 291-311. *f.* 1-11. 25 Je 1915.
- Saunders, C. F.** Plant namesakes of presidents. Am. Bot. **21**: 50. My 1915.
- Scales, F. M.** Some filamentous fungi tested for cellulose destroying power. Bot. Gaz. **60**: 149-153. 14 Au 1915.
- Scott, E. L.** A study of pasture trees and shrubbery. Bull. Torrey Club **42**: 451-461. *f.* 1-13. 22 S 1915.
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Describes fourteen new species.
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Thirty-seven new species are described.
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- Stewart, V. B.** Some important leaf diseases of nursery stock. Cornell Agr. Exp. Sta. Bull. 358: 169-226. *f.* 66-94. Ap 1915.

- Stockberger, W. W.** Drug plants under cultivation. U. S. Dept. Agr. Farm. Bull. 663: 1-39. *f.* 1-8. 5 Je 1915.
- Stout, A. B.** The origin of dwarf plants as shown in a sport of *Hibiscus oculiroseus*. Bull. Torrey Club 42: 429-450. *pl.* 26, 27. 22 S 1915.
- Studhalter, R. A., & Ruggles, A. G.** Insects as carriers of the chestnut blight fungus. Pennsylvania Dept. Forest. Bull. 12: 7-33. *f.* 1-4. Ap 1915.
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- Taubenhaus, J. J.** The probable non-validity of the genera *Botryodiplodia*, *Diplodiella*, *Chaetodiplodia*, and *Lasiodiplodia*. Am. Jour. Bot. 2: 324-331. *pl.* 12-14. Jl 1915.
- Thaxter, R.** New Indo-Malayan Laboulbeniales. Proc. Am. Acad. Arts. & Sci. 51: 3-51. Au 1915.
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- Thom, C., & Turesson, G. W.** *Penicillium avellaneum*, a new ascus-producing species. Mycologia 7: 284-287. *f.* 1-3. S 1915.
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Includes fifteen new species in *Agave* and four in *Furcraea*.
- True, R. H., & Bartlett, H. H.** The exchange of ions between the roots of *Lupinus albus* and culture solutions containing two nutrient salts. Am. Jour. Bot. 2: 311-323. *f.* 1-3. Jl 1915.
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- Whitten, J. H.** The effects of kerosene and other petroleum oils on the viability and growth of *Zea mais*. Bull. Illinois State Lab. Nat. Hist. 10: 245-273. *pl.* 16. O 1914.

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Includes descriptions of new species in *Campylopus* (1), *Astomum* (1), *Pterogoneurum* (1), *Crossidium* (1), *Pseudocrossidium* (2), *Tortula* (2), *Physcomitrium* (1) and *Philonotis* (1).
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- Wootton, E. O., & Standley, P. C.** The ferns of New Mexico. Am. Fern Jour. **5**: 65-78. *pl.* 5, 6. Jl 1915.
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A plant from tropical South America.
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A plant from Argentina.
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